

2011 International Forum on the Frontier of Plateau Fire Safety



SKLFS, USTC, Hefei, Anhui, CHINA Oct 17, 2011



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Forum Topics:

- Understanding the effect of pressure on fire behaviors
- Exploring fire dynamics under different altitudes
- How to improve fire engineering for high altitude areas
- Further international collaboration and coordination



State Key Laboratory of Fire Science
University of Science and Technology of China
CHINA

Welcome to Hefei, Welcome to USTC, and Welcome to SKLFS!

Agenda for 2011 International Forum on the Frontier of Plateau Fire Safety

Time: October 17, 2011

Venue: Multi-media Classroom, SKLFS, USTC

Coordinator: **Prof. Naian Liu** <liunai@ustc.edu.cn>

08:30 am **Opening ceremony and Group-photo**

PRESENTATION

Session 1

(09:00 am – 10:15 am)

Chairman: *Dr. Yaping He*

- 09:00 am **Prof. Naian Liu**: Introduction to SKLFS
(*University of Science and Technology of China, China*)
- 09:25 am **Dr. John L. de Ris**: Effect of Ambient Pressure on Fires -- Fundamental Concepts
(*University of Science and Technology of China, China*)
- 09:50 am **Prof. Jian Wang**: Fire Behaviors at Normal and High Altitudes
(*University of Science and Technology of China, China*)
- 10:15 am Coffee break**

PRESENTATION

Session 2

(10:40 am – 11: 55 am)

Chairman: *Prof. Jiang Wang*

- 10:40 am **Dr. Yaping He**: Variation of Flame Height with Ambient Pressure
(*University of Western Sydney, Australia*)
- 11:05 am **Dr. Yaping He**: Safety Factor and Probabilistic Risk Assessment
(*University of Western Sydney, Australia*)
- 11:30 am **Prof. Lizhong Yang**: Fundamental Research on Fire Prevention and Control in Plateau Environment
(*University of Science and Technology of China, China*)
- 12:00 am Lunch**

PRESENTATION

Session 3

(02:00 pm– 03:15 pm)

Chairman: *Prof. Lizhong Yang*

- 02:00 pm **Prof. Bogdan.Dlugogorski:** Formation of Pollutants in Chemical Fires, Especially Polychlorinated Dibenzop-dioxins and Dibenzofurans in Fires of Pesticides
(*The University of Newcastle, Australia*)
- 02:25 pm **Prof. Jinhua Sun and Mr. Ying Zhang:** Prediction of the Critical Condition for Flame Acceleration over Wood Surface with Different Sample Orientations
(*University of Science and Technology of China, China*)
- 02:50 pm **Asso. Prof. Jun Fang:** Research on Fire Detection in Tibet with Low Air Pressure Conditions
(*University of Science and Technology of China, China*)
- 03:15 pm **Coffee break**

PRESENTATION

Session 4

(03:40 pm– 04:55 pm)

Chairman: *Prof. Naian Liu*

- 03:40 pm **Mr Jiakun Dai:** Numerical Investigation of Extinction and Ignition Turning Point
(*University of Science and Technology of China, China*)
- 04:05 pm **Mr. Junhui Gong:** Study on Combustion Characteristics of Downward Flame Spread over Thermoplastic Materials
(*University of Science and Technology of China, China*)
- 04:30 pm **Dr. Yaping He:** Error Estimate of Temperature Measurement Using Conducting Probes
(*University of Western Sydney, Australia*)

Discussion

(05:00 pm – 06:00 pm)

Chairman: **Dr. Yaping He, Dr. John de Ris, Prof. Bogdan.Dlugogorski, Prof. Naian Liu**

05:00 pm Discussion

06:30 pm **Banquet**